

## Product datasheet for **RC236852**

### **C6orf89 (NM\_001286636) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf89 (NM_001286636) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C6orf89
Synonyms:	BRAP; PS1TP5TP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236852 representing NM_001286636 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCCTTGCCATTGCCAAGAAGTACATGTCAGAAAATAAGGGAGTTCCTCTGCATGGGGGTGATGAAG  
ACAGACCCTTTCCAGACTTTGACCCCTGGTGGACAAACGACTGTGAGCAGAATGAGTCAGAGCCATTCC  
TGCCAACTGCACTGGCTGTGCCAGAAACACCTGAAGGTGATGCTCCTGGAAGACGCCCCAAGGAAATTT  
GAGAGGCTCCATCCACTGGTATCAAGACGGGAAAGCCCTGTTGGAGGAAGAGATTAGCATTCTTTGT  
GCCAGTACCCTGAGGCGACAGAAGGCTTCTCTGAAGGTTTTTCGCCAAGTGGTGGCGCTGCTTCTCTGA  
GCGGTGGTTCCTTTTCTTATCCATGGAGGAGACCTCTGAACAGATCACAAATGTTACGTGAGCTTTTT  
CCTGTTTTCACTCACCTGCCATTTCCAAAAGATGCCTCTTTAAACAAGTGCTCCTTTCTTCAACCAGAAC  
CTGTTGTGGGGAGTAAGATGCATAAGATGCCTGACCTATTTATCATTGGCAGCGGTGAGGCCATGTTGCA  
GCTCATCCCTCCCTTCCAGTGCCGAAGACATTGTCAGTCTGTGGCCATGCCAATAGAGCCAGGGGATATC  
GGCTATGTCGACACCACCACTGGAAGGTCTACGTTATAGCCAGAGGGTCCAGCCTTTGGTCATCTGCC  
ATGGAACCGCTTCTCAGAACTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC236852 representing NM\_001286636  
Red=Cloning site Green=Tags(s)

MSLP<sup>+</sup>IAKKYMS<sup>+</sup>ENKGVPLHGGDEDRPFPDFPWWTNDCEQNESEPIPANCTGCAQKHLKVM<sup>+</sup>LLEDAPRKF  
 ERLHPLVIKTGKPLLEEEIQHFLCQYPEATEGFSEGGFAKWWRCFPERWFFPYPWRRPLNRSQMLRELF  
 PVFTHLFPK<sup>+</sup>DASLNKCSFLHPEPVVSGMKMHKMPDLFIIGSGEAMLQLIPPFQ<sup>+</sup>CR<sup>+</sup>RRHCQSVAMPIEPGDI  
 GYVDTTHWKVYVIARGVQPLVICDGTAFSEL

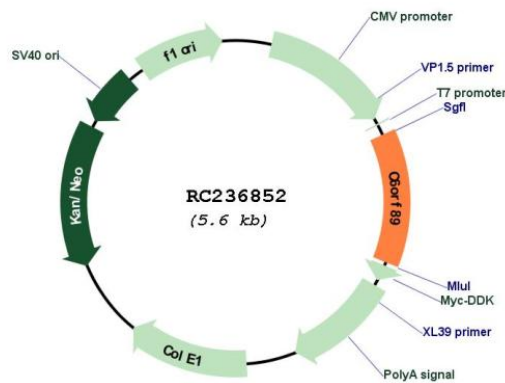
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286636

**ORF Size:** 723 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001286636.2</a>
<b>RefSeq Size:</b>	6931 bp
<b>RefSeq ORF:</b>	726 bp
<b>Locus ID:</b>	221477
<b>UniProt ID:</b>	<a href="#">Q6UWU4</a>
<b>Cytogenetics:</b>	6p21.2
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	28.3 kDa
<b>Gene Summary:</b>	Exhibits histone deacetylase (HDAC) enhancer properties (PubMed:23460338). May play a role in cell cycle progression and wound repair of bronchial epithelial cells (PubMed:21857995). [UniProtKB/Swiss-Prot Function]